

Rev02
 Update: Aug,08,2025
DATASHEET

FGFR2 alpha (IIIb) hFc Chimera, Human

Cat. No.: Z04255

Product Introduction

Species	Human
Protein Construction	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="background-color: #0056b3; color: white; padding: 5px; text-align: center;"> FGFR2 alpha (IIIb) (Arg22-Glu378) Accession # P21802-3 </div> <div style="background-color: #76923c; color: white; padding: 5px; text-align: center;"> hFc </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 5px;"> N-term C-term </div>
Purity	> 95% as determined by BisTris PAGE > 95% as determined by HPLC
Endotoxin Level	Less than 1EU per µg by the LAL method.
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized FGFR2 alpha (IIIb) hFc Chimera, Human at 0.5µg/ml (100µl/well) on the plate can bind Biotinylated AntiFGFR2 (IIIb) Antibody, hFc Tag. Test result was comparable to standard batch.
Expression System	HEK293
Theoretical Molecular Weight	66.4 kDa
Apparent Molecular Weight	Due to glycosylation, the protein migrates to 80-115 kDa based on Bis-Tris PAGE result.
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4).
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage & Stability	Upon receiving, the product remains stable up to 6 months at -20 °C or below. Upon reconstitution, the product should be stable for 3 months at -80 °C. Avoid repeated freeze-thaw cycles.

Background

Target Background : Four distinct genes encoding closely related FGF receptors, FGF R1 - 4, are known. All four genes for FGF Rs encode proteins with an N-terminal signal peptide, three immunoglobulin (Ig)-like domains, an acid-box region containing a run of acidic residues between the IgI and IgII domains, a transmembrane domain and the split tyrosine-kinase domain. Multiple forms of FGF R1 - 3 are generated by alternative splicing of the mRNAs. A frequent splicing event involving FGF R1 and 2 results in receptors containing all three Ig domains, referred to as the alpha isoform, or only IgII and IgIII, referred to as the beta isoform.

Synonyms : FGF R2a; FGFR2 alpha; KGFR; CD332; BBDS; BEK; BFR-1; CEK3; CFD1; ECT1; JWS; K-SAM; KGFR; TK14; TK25; FLJ98662

For research use only. Not intended for human or animal clinical trials, therapeutic or diagnostic use.

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